

## Storm Data and Unusual Weather Phenomena - April 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LAKE ERIE</b>				
<b>MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 5.4 SSE NORTH CAPE [41.69, -83.47]</b>				
	04/14/14 07:00 EST	0		Marine Thunderstorm Wind (MG 51 kt)
	04/14/14 07:30 EST	0		Source: C-MAN Station
<b>MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 5.4 SSE NORTH CAPE [41.69, -83.47]</b>				
	04/14/14 09:00 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	04/14/14 09:00 EST	0		Source: C-MAN Station
Showers moving through Western Lake Erie produced wind gusts up to 51 knots.				
<b>LAKE HURON</b>				
<b>PORT SANILAC TO PORT HURON MI COUNTY --- 1.9 N PORT HURON [43.01, -82.42]</b>				
	04/14/14 07:24 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	04/14/14 08:24 EST	0		Source: C-MAN Station
Showers moving through southern Lake Huron produced a wind gust to 41 knots.				
<b>LAKE ST CLAIR</b>				
<b>ST CLAIR RIVER COUNTY --- MARINE CITY [42.72, -82.48]</b>				
	04/12/14 19:42 EST	0		Marine Thunderstorm Wind (EG 61 kt)
	04/12/14 19:42 EST	0		Source: Trained Spotter
A severe thunderstorm which produced damage over Marine City tracked into the St. Clair River.				
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<b>LAKE ST CLAIR (U.S. PORTION) COUNTY --- ST CLAIR SHORES [42.47, -82.88]</b>				
	04/14/14 07:10 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	04/14/14 07:20 EST	0		Source: C-MAN Station
<b>LAKE ST CLAIR (U.S. PORTION) COUNTY --- ST CLAIR SHORES [42.47, -82.88]</b>				
	04/14/14 08:10 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	04/14/14 09:20 EST	0		Source: C-MAN Station
Showers moving through Lake St. Clair produced wind gusts to 40 knots.				
<b>MICHIGAN, East</b>				
<b>SHIAWASSEE COUNTY --- 0.5 W PERRY [42.82, -84.23]</b>				
	04/12/14 17:50 EST	0		Thunderstorm Wind (EG 54 kt)
	04/12/14 17:50 EST	0		Source: Trained Spotter
Dozens of 1 foot diameter pine trees uprooted.				
<b>SHIAWASSEE COUNTY --- 0.9 SW DURAND [42.91, -83.99]</b>				
	04/12/14 18:05 EST	0		Thunderstorm Wind (EG 52 kt)
	04/12/14 18:05 EST	0		Source: Amateur Radio
An 18 inch diameter pine tree was reported blown down.				

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<b>SHIAWASSEE COUNTY --- BYRON [42.82, -83.95]</b>				
	04/12/14 18:07 EST		10K	Thunderstorm Wind (EG 61 kt)
	04/12/14 18:07 EST		0	Source: Broadcast Media
Roof peeled of gymnasium.				
<b>GENESEE COUNTY --- 0.5 E GAINES ARPT [42.87, -83.82]</b>				
	04/12/14 18:09 EST		0	Thunderstorm Wind (EG 52 kt)
	04/12/14 18:09 EST		0	Source: Amateur Radio
Large tree was blown down, taking down a power line and blocking the road. A metal side barn was also heavily damaged.				
<b>GENESEE COUNTY --- GAINES [42.87, -83.90]</b>				
	04/12/14 18:10 EST		20K	Thunderstorm Wind (EG 65 kt)
	04/12/14 18:10 EST		0	Source: Trained Spotter
A roof was blown off a house.				
<b>GENESEE COUNTY --- 0.5 W LINDEN [42.82, -83.78]</b>				
	04/12/14 18:18 EST		0	Hail (0.88 in)
	04/12/14 18:18 EST		0	Source: Trained Spotter
<b>GENESEE COUNTY --- 0.5 W LINDEN [42.82, -83.78]</b>				
	04/12/14 18:18 EST		0	Thunderstorm Wind (EG 56 kt)
	04/12/14 18:18 EST		0	Source: Trained Spotter
Trees and power lines reported down.				
<b>GENESEE COUNTY --- 0.9 NE RANKIN [42.93, -83.72]</b>				
	04/12/14 18:20 EST		0	Thunderstorm Wind (EG 65 kt)
	04/12/14 18:20 EST		0	Source: Trained Spotter
Numerous uprooted trees and power lines down.				
<b>GENESEE COUNTY --- 0.9 NE LAKE FENTON [42.86, -83.72]</b>				
	04/12/14 18:22 EST		5K	Thunderstorm Wind (EG 56 kt)
	04/12/14 18:22 EST		0	Source: Trained Spotter
Numerous 18 inch diameter trees and power lines down.				
<b>GENESEE COUNTY --- 1.8 NE RANKIN [42.94, -83.70]</b>				
	04/12/14 18:22 EST		0	Thunderstorm Wind (EG 52 kt)
	04/12/14 18:22 EST		0	Source: Public
Downed power lines caused the closure of I-75.				
<b>OAKLAND COUNTY --- 1.5 SSW NEWARK [42.85, -83.63]</b>				
	04/12/14 18:30 EST		4K	Thunderstorm Wind (EG 56 kt)
	04/12/14 18:30 EST		0	Source: Trained Spotter
Trees and power lines reported blown down.				
<b>OAKLAND COUNTY --- 2.1 S NEWARK [42.84, -83.62]</b>				
	04/12/14 18:30 EST		0	Hail (1.00 in)
	04/12/14 18:30 EST		0	Source: Trained Spotter
<b>OAKLAND COUNTY --- 2.1 S NEWARK [42.84, -83.62]</b>				
	04/12/14 18:30 EST		0	Thunderstorm Wind (EG 56 kt)
	04/12/14 18:30 EST		0	Source: Trained Spotter

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A trained spotter estimated a 65 mph thunderstorm wind gust.				
<b>OAKLAND COUNTY --- 1.7 WNW JOSSMAN ACRES [42.78, -83.50]</b>				
	04/12/14 18:39 EST		0	Hail (1.00 in)
	04/12/14 18:39 EST		0	Source: Trained Spotter
<b>OAKLAND COUNTY --- 1.7 WSW JOSSMAN ACRES [42.76, -83.50]</b>				
	04/12/14 18:39 EST		0	Thunderstorm Wind (EG 52 kt)
	04/12/14 18:39 EST		0	Source: Trained Spotter
A trained spotter estimated a 60 mph thunderstorm wind gust.				
<b>OAKLAND COUNTY --- 3.7 NE HOLLY [42.83, -83.56]</b>				
	04/12/14 18:42 EST		0	Hail (1.00 in)
	04/12/14 18:42 EST		0	Source: Trained Spotter
<b>OAKLAND COUNTY --- 3.1 SSE PERRY LAKE HGTS [42.79, -83.37]</b>				
	04/12/14 18:44 EST		6K	Thunderstorm Wind (EG 61 kt)
	04/12/14 18:44 EST		0	Source: Amateur Radio
Numerous trees and power lines blown down, along with siding damage to a house.				
<b>OAKLAND COUNTY --- LAKE ORION [42.78, -83.23]</b>				
	04/12/14 18:55 EST		5K	Thunderstorm Wind (EG 65 kt)
	04/12/14 18:55 EST		0	Source: Broadcast Media
Widespread trees reported blown down.				
<b>OAKLAND COUNTY --- 2.6 NW RANDALL BEACH [42.76, -83.31]</b>				
	04/12/14 18:56 EST		0	Thunderstorm Wind (EG 52 kt)
	04/12/14 18:56 EST		0	Source: Trained Spotter
A trained spotter estimated a 60 mph thunderstorm wind gust.				
<b>MACOMB COUNTY --- 0.5 E WASHINGTON [42.72, -83.02]</b>				
	04/12/14 19:00 EST		0	Thunderstorm Wind (EG 52 kt)
	04/12/14 19:00 EST		0	Source: Amateur Radio
Power lines reported down.				
<b>OAKLAND COUNTY --- 1.7 WSW ROCHESTER HILLS [42.67, -83.16]</b>				
	04/12/14 19:06 EST		0	Thunderstorm Wind (EG 52 kt)
	04/12/14 19:06 EST		0	Source: Trained Spotter
One foot diameter pine trees uprooted.				
<b>MACOMB COUNTY --- 0.5 W WASHINGTON [42.72, -83.04]</b>				
	04/12/14 19:10 EST		3K	Thunderstorm Wind (EG 54 kt)
	04/12/14 19:10 EST		0	Source: Public
Seven large pine trees and power lines blown down.				
<b>MACOMB COUNTY --- 2.1 SSE MT VERNON [42.70, -83.07]</b>				
	04/12/14 19:10 EST		0	Hail (0.75 in)
	04/12/14 19:10 EST		0	Source: Trained Spotter
<b>MACOMB COUNTY --- 2.1 SSE MT VERNON [42.70, -83.07]</b>				
	04/12/14 19:10 EST		0	Thunderstorm Wind (EG 52 kt)
	04/12/14 19:10 EST		0	Source: Trained Spotter
A trained spotter estimated a 60 mph thunderstorm wind gust.				

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<b>MACOMB COUNTY --- 1.5 NNE WASHINGTON [42.74, -83.02]</b>				
	04/12/14 19:13 EST		2K	Thunderstorm Wind (EG 52 kt)
	04/12/14 19:13 EST		0	Source: Trained Spotter
Power lines reported down.				
<b>MACOMB COUNTY --- 1.7 ENE WASHINGTON [42.73, -83.00]</b>				
	04/12/14 19:14 EST		0	Hail (1.00 in)
	04/12/14 19:14 EST		0	Source: Trained Spotter
<b>MACOMB COUNTY --- 0.9 SW DAVIS [42.72, -82.96]</b>				
	04/12/14 19:15 EST		0	Hail (0.88 in)
	04/12/14 19:15 EST		0	Source: Trained Spotter
<b>MACOMB COUNTY --- 0.9 SW DAVIS [42.72, -82.96]</b>				
	04/12/14 19:15 EST		0	Thunderstorm Wind (EG 54 kt)
	04/12/14 19:15 EST		0	Source: Trained Spotter
A trained spotter estimated a 62 mph thunderstorm wind gust.				
<b>MACOMB COUNTY --- 0.7 S WALDENBURG [42.66, -82.93]</b>				
	04/12/14 19:23 EST		5K	Thunderstorm Wind (EG 56 kt)
	04/12/14 19:23 EST		0	Source: Trained Spotter
Shingles blown off roofs and trees reported blown down.				
<b>MACOMB COUNTY --- 1.5 NNE CHESTERFIELD [42.69, -82.82]</b>				
	04/12/14 19:25 EST		2K	Thunderstorm Wind (EG 52 kt)
	04/12/14 19:25 EST		0	Source: Trained Spotter
Power lines reported down.				
<b>MACOMB COUNTY --- 2.6 SE WALDENBURG [42.64, -82.90]</b>				
	04/12/14 19:25 EST		5K	Thunderstorm Wind (EG 52 kt)
	04/12/14 19:25 EST		0	Source: Trained Spotter
Street light and power poles reported down.				
<b>MACOMB COUNTY --- 0.5 E CHESTERFIELD [42.67, -82.82]</b>				
	04/12/14 19:26 EST		2K	Thunderstorm Wind (EG 52 kt)
	04/12/14 19:26 EST		0	Source: Trained Spotter
Power lines reported down.				
<b>MACOMB COUNTY --- 1.5 NNW ANCHOR BAY GARDENS [42.67, -82.79]</b>				
	04/12/14 19:29 EST		2K	Thunderstorm Wind (EG 52 kt)
	04/12/14 19:29 EST		0	Source: Public
A power pole was reported down.				
<b>ST. CLAIR COUNTY --- 1.2 SW MARINE CITY [42.71, -82.50]</b>				
	04/12/14 19:42 EST		5K	Thunderstorm Wind (EG 65 kt)
	04/12/14 19:42 EST		0	Source: Trained Spotter

Numerous trees and power lines blown down. Shed blown over and three roofs partially peeled.

A warm front that was set up across the state on Saturday served as the focus for multiple storms that traveled east across the middle of Lower Michigan. One storm was able to gather enough strength while moving into a more favorable environment to produce a swath of wind and hail damage across the middle of the NWS Detroit/Pontiac county warning area (CWA). This storm packed high winds and lots of hail as it raced east at about 50-55 mph. Straight line winds up to 70 mph from this storm caused numerous damage, including uprooted trees, downed power lines, and building damage. Along with winds, numerous reports of hail also accompanied the storm

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with hail up to one inch reported in a few areas. What was impressive with the hail, was the high amount of small hail that fell. In some locations, hail completely covered the ground and was a couple of inches thick.

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**(MI-Z063) ST. CLAIR, (MI-Z069) OAKLAND, (MI-Z070) MACOMB, (MI-Z075) WASHTENAW, (MI-Z076) WAYNE, (MI-Z082) LENAWEE, (MI-Z083) MONROE**

04/14/14 06:00 EST		0.35M	High Wind (MAX 53 kt)
04/14/14 09:00 EST		0	

A strong low level jet within the warm sector allowed southwest winds to gust between 55 and 61 mph across much of Metro Detroit during the morning hours. Numerous trees, fences, car ports, and power lines were reported blown down.

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**MIDLAND COUNTY --- 4.5 SE OIL CITY [43.58, -84.51]**

04/29/14 17:48 EST		0	Thunderstorm Wind (EG 50 kt)
04/29/14 17:48 EST		0	Source: 911 Call Center

A trailer was flipped onto it's side.

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**MIDLAND COUNTY --- 3.6 E OIL CITY [43.61, -84.51]**

04/29/14 17:49 EST		0	Thunderstorm Wind (EG 52 kt)
04/29/14 17:49 EST		0	Source: 911 Call Center

Two trees were uprooted.

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**BAY COUNTY --- 2.1 WNW BEAVER [43.71, -84.11]**

04/29/14 18:27 EST		0	Hail (0.88 in)
04/29/14 18:27 EST		0	Source: Trained Spotter

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**BAY COUNTY --- 1.2 SW TOBICO [43.67, -83.95]**

04/29/14 18:40 EST		0	Hail (0.88 in)
04/29/14 18:40 EST		0	Source: Public

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**WASHTENAW COUNTY --- 0.7 N HUDSON MILLS [42.39, -83.92]**

04/29/14 20:00 EST		5K	Thunderstorm Wind (EG 52 kt)
04/29/14 20:00 EST		0	Source: Trained Spotter

A 3 foot in diameter tree limb fell onto 2 cars.

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**WASHTENAW COUNTY --- 2.1 SE DOVER [42.38, -83.87]**

04/29/14 20:00 EST		0	Thunderstorm Wind (EG 50 kt)
04/29/14 20:00 EST		0	Source: Trained Spotter

Two foot diameter tree limbs reported blown down.

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**OAKLAND COUNTY --- 1.5 SSW SOUTH LYON [42.45, -83.64]**

04/29/14 20:10 EST		0	Thunderstorm Wind (EG 50 kt)
04/29/14 20:10 EST		0	Source: Trained Spotter

Tree blown down.

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**OAKLAND COUNTY --- 2.5 NW OAKWOOD [42.45, -83.51]**

04/29/14 20:13 EST		0	Thunderstorm Wind (EG 50 kt)
04/29/14 20:13 EST		0	Source: Trained Spotter

Powerlines reported down.

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**OAKLAND COUNTY --- 1.5 NNW EAST HIGHLAND [42.67, -83.58]**

04/29/14 20:21 EST		3K	Thunderstorm Wind (EG 52 kt)
04/29/14 20:21 EST		0	Source: Law Enforcement

Tree reported blown down onto a car.

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<b>OAKLAND COUNTY --- 0.9 NW HOLLY [42.81, -83.63]</b>				
	04/29/14 20:35 EST		0	Thunderstorm Wind (EG 50 kt)
	04/29/14 20:35 EST		0	Source: Trained Spotter
A trained spotter estimated a 58 mph thunderstorm wind gust.				
<b>LAPEER COUNTY --- 1.5 E LAPEER DUPONT ARPT [43.07, -83.24]</b>				
	04/29/14 21:06 EST		0	Thunderstorm Wind (EG 52 kt)
	04/29/14 21:06 EST		0	Source: Trained Spotter
Large tree blown down.				
<b>TUSCOLA COUNTY --- 1.0 E CARO [43.48, -83.38]</b>				
	04/29/14 21:30 EST		0	Thunderstorm Wind (EG 52 kt)
	04/29/14 21:30 EST		0	Source: 911 Call Center
Trees reported down.				
<b>TUSCOLA COUNTY --- 1.4 S COLWOOD [43.60, -83.35]</b>				
	04/29/14 21:42 EST		0	Thunderstorm Wind (EG 52 kt)
	04/29/14 21:42 EST		0	Source: 911 Call Center
Trees reported blown down.				

April 29th brought a few severe storms to the area, bringing hail and strong winds to parts of Southeast Michigan. Nickel size hail was reported with the storms, along with 50-60 mph wind gusts causing downed trees and power lines. These storms formed in association with a warm front that had set up across the area from the associated large low pressure system in the Midwest. Southerly winds and clouds clearing out allowed for temperatures to climb into the 70s across much of the area creating the instability needed to help in storm development. The large weather system that brought the storms to Michigan, also brought a whole spectrum of weather from the Northern Great lakes to the Deep South. Snow was reported in parts of Minnesota and Northern Wisconsin, while the South endured round after round of intense severe weather, including numerous tornadoes.